Commonwealth of Kentucky Energy and Environment Cabinet **Department for Environmental Protection** 

## DIVISION FOR AIR QUALITY

## **DEP7007L**

Concrete, Asphalt, Coal, Aggregate, Feed, Corn, Flour, Grain, & Fertilizer

1)	Type of Operation(s):							
	Concrete	Asphalt Grain	Coal A	Aggregate Processing				
	Feed, Corn & Flour	Grain	Fertilizer					
2)	Operating Schedule:	House/day	Dava/Waals	Wooks/Voor				
2)	Percent Annual Throughput:	Doc Fob %	Days/ week	Weeks/Year  June-Aug %				
	SeptNov %	Dec1'eu 70	MaiMay	June-Aug				
	Sept110v 70							
3)	3) Paved Haul Road Length Miles Unpaved Haul Road Length Miles							
	Describe Dust Control Method f							
	Depending on the type of operation (as checked in box 1), complete the appropriate section(s). Also, attach a flow diagram showing all of the emission point numbers, and list the numbers on this form where applicable.							
SECTION	ON 1 CONCRETE	OPERATION ONLY	(Ready-mix, Block,	Pre-cast, or Terminate)				
4)	Maximum Hourly Rated Capaci	ty cu. yd./hr. M	ax. Annual Rated Capa	city* cu. yd./hr.				
5)	Wet Batch	Dry Batch						
6)	Specify the Maximum Operati	ng Rate of Each Applical	ole Facility and the Co	orresponding Control Equipment:				
Emissio	3	Maximum Loading	Control Equipment**	** Cost of Controls				
Point No	o. (Specify Quantity)	Rate (silos only) or Operating Rate(s)** (tons/hour)						
	Cement Silo(s)							
	Fly Ash Silo(s)							
	Weight Hopper(s)							
	Drum Mixer(s)							
	Aggregate Handling							
	And Stockpiles							
	Truck Loadout(s)							
*Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.  **Where the loading rate for the silos is not known, a rated capacity of 30 tons/hour will be used.  ***For baghouse(s), complete the details on DEP7007N, and submit documents to substantiate control efficiency.								
7)	Describe briefly the disposal of	particulates collected in the	e baghouse and/or other	waste generated at the site.				

SECTION II ASPHALT PLANTS ONLY							
8)	) Max. Hourly Rated Capacity Max. Annual Rated Capacity * tons/hour  Type of Plant: Stationary Portable						
		e of Operation: Batch					
9)							
	Type of Fuel: Gas Oil ( % sulfur)  Dryer Model & Manufacturer  Burner Rated Capacity: Btu/hour  Gases Discharged: acfm dscfm						
10)	Aspl	nalt Heater Information:					
	• •		Oil ( % sulfur) Other (	specify)			
11)		er Rated Capacity:	_ Btu/hour				
Emissi Point N	on	Affected Facility	ipment Used for Each Applicable Facility:  Control Equipment	Cost of Controls			
		Rotary Dryer	Primary: Secondary:				
		Aggregate Handling	Hoppers: Conveyors:				
		Stockpiles (raw materials)					
12)	Will	this plant utilize a recycled as	phalt pavement (RAP) unit? Yes ( tons/hr.	) No			
If "YES" was answered above, provide a description of the activities included in the RAP process (e.g. RAP stockpile, receiving, hopper, conveyor to screen, screen, lump breaker, conveyor to rotary dryer). Also, attach a flow diagram showing all of the emission point numbers listed on this form.							
* Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.  ** Complete the details on DEP7007N, and submit documents to substantiate control efficiency.							
Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.							

Emission	Affected Facility		Capacity*	he Corresponding Control Control	Cost of Control
Point No.	(Specify quantity in blank)	(tons/hr.	(tons/yr.)**	Equipment***	Cost of Condo
	Receiving Hopper(s)				
	Primary Crusher(s)				
	Secondary Crusher(s)				
	Screen(s)				
	Conveyor Transfer Point(s)	-			
	Stockpile(s)				
	Rail Loadout(s)				
	Barge Loadout(s)				
	Truck Loadout(s)				
	Thermal Dryer(s)				
	Other (specify)				
pplicable. ransfer po liagram ra	ow diagram showing all of the emi This flow diagram should be used ints at 500 tons/hour and three conv ther than in the table above. If thi the "maximum capacity" column al	to supplement the veyor transfer points type of clarifica	ne above inform ints at 1000 tons	ation. For example, if ther /hour, this distinction can b	re are two convey be made on the flo
applicable. ransfer poliagram ra liagram in The maxinandle. The ons/hour a till be used vailable, a he maximu	This flow diagram should be used ints at 500 tons/hour and three converter than in the table above. If this	to supplement the veyor transfer points type of clarifications.  The maximum tons, and anticipate ever and to operate the de" conveyors or the maximum hour of what you may operating restricts.	Thour that the putilizing. For in crusher at 800 other equipmently tonnage that plan to actually tions through fee	ation. For example, if ther /hour, this distinction can by, please make a note to se iece of equipment was des stance, a crusher may be a tons/hour. In this case, 100 t for which manufacturers the equipment can physicause. lerally enforceable permit of	re are two convey be made on the flow the attached flow signed to physica able to handle 10 00 tons/hour show data would not ally handle. Aga
pplicable. cansfer po iagram ra iagram in The maxi andle. Th ons/hour a iill be used vailable, a ne maximu *Should b **Comple	This flow diagram should be used into at 500 tons/hour and three converter than in the table above. If this the "maximum capacity" column almum capacity should represent the is number may be larger than you at its largest setting, but you may pld in the application. For "shop-made in estimate should be made as to the table to the entered only if applicant requests	to supplement the veyor transfer points type of clarifications.  The maximum tons, and anticipate ever and to operate the de" conveyors or the maximum hour of what you may operating restrict bmit documents to	Thour that the putilizing. For in crusher at 800 other equipmently tonnage that plan to actually tons through fee o substantiate co	ation. For example, if ther /hour, this distinction can by, please make a note to se iece of equipment was des stance, a crusher may be a tons/hour. In this case, 100 t for which manufacturers the equipment can physicause. lerally enforceable permit control efficiency.	te are two convey be made on the flow the attached flow signed to physical able to handle 10 00 tons/hour shou data would not ally handle. Agal

SECTION IV AGGREGATE OPERATIONS ONLY								
16) Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:								
Emission Point No.	Affected Facility (specify quantity in blank)	Max. Capacity* (tons/hr.) (tons/yr.)**		Control Equipment ***	Cost of Controls			
	Receiving Hopper(s)							
	Primary Crusher(s)							
	Secondary Crusher(s)							
	Tertiary Crusher(s)							
	Fines Mill(s)							
	Screen(s)							
	Conveyor Transfer Points							
	Stockpile(s)							
	Pug Mill(s)							
	Loadout(s)							
	Other (specify)							
Attach a flow diagram showing all of the emission point numbers, and list the emission point numbers on this form where applicable. This flow diagram should be used to supplement the above information. For example, if there are two conveyor transfer points at 500 tons/hour and three conveyor transfer points at 1000 tons/hour, this distinction can be made on the flow diagram rather than in the table above. If this type of clarification is necessary, please make a note to see the attached flow diagram in the "maximum capacity" column above.  *The maximum capacity should represent the maximum tons/hour that the piece of equipment was designed to physically handle. This number may be larger than you anticipate ever utilizing. For instance, a crusher may be able to handle 1000 tons/hour at its largest setting, but you may plan to operate the crusher at 800 tons/hour. In this case, 1000 tons/hour should still be used in the application. For "shop-made" conveyors or other equipment for which manufacturers' data would not be available, as estimate should be made as to the maximum hourly tonnage that the equipment can physically handle. Again, this maximum number should be used in place of what you may plan to actually use.  **Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.  ***Complete the details on DEP7007N, and submit documents to substantiate control efficiency.  Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.								

SECTION V FEED, CORN, AND FLOUR OPERATIONS ONLY							
18) Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:							
Emission	Affected Facility (specify quantity in blank)	Max. Capacity		Control Equipment**	Cost of Controls		
Point No.		(tons/hr.)	(tons/yr.)*				
	Column Dryer(s)						
	Rack Dryer(s)						
	Truck Receiving						
	Rail Receiving						
	Barge Receiving						
	Precleaner(s)						
	Elevator Leg(s)						
	Flour Mill House(s)						
	Feed Hammermill(s)						
	Grain Hammermill(s)						
	Feed Pellet Mill(s)						
	Feed Pellet Cooler(s)						
	Truck Loadout(s)						
	Rail Loadout(s)						
	Barge Loadout(s)						
	Other (specify)						
available. Tat 500 tons/btable above.	w diagram showing all of the emissi his flow diagram should be used to su nour and one hammermill at 1000 to If this type of clarification is necessolumn above.	pplement the ns/hour, this o	above informa listinction can	tion. For example, if there a be made on the flow diagra	are two hammermills m rather than in the		
*Should be e	entered only if applicant requests oper the details on DEP7007N, and submi	_	_		conditions.		
	•						

SECTION VI GRAIN ELEVATORS ONLY							
20) Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:							
Emission	Affected Facility (specify quantity in blank)	Max. Capacity		Control Equipment**	Cost of Controls		
Point No.		(tons/hr.)	(tons/yr.)*				
	Column Dryer(s)						
	Rack Dryer(s)						
	Truck Receiving						
	Rail Receiving						
	Barge Receiving						
	Outdoor Storage Bin(s)						
	Indoor Storage Bin(s)						
	Truck Loadout(s)						
	Rail Loadout(s)						
	Barge Loadout(s)						
	Elevator Leg(s)						
	Other (specify)						
Attach a flow diagram showing all of the emission point numbers, and list the emission point numbers on this form where available. This flow diagram should be used to supplement the above information. For example, if there is one dryer at 500 tons/hour and one dryer at 1000 tons/hour, this distinction can be made on the flow diagram rather than in the table above. If this type of clarification is necessary, please make a note to see the attached flow diagram in the "Maximum Capacity" column above.  *Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.  **Complete the details on DEP7007N, and submit documents to substantiate control efficiency.  21) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.							

SECTION VII FERTILIZER OPERATIONS ONLY							
22) Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:							
Emission	Affected Facility	Max. Capacity*		Control	Cost of Controls		
Point No.	(Specify quantity in blank)	(tons/hr.	(tons/yr.)**	Equipment***			
	Truck Receiving						
	Rail Receiving						
	Barge Receiving						
	Conveyor Transfer Point(s)						
	Mixing and Blending						
	Truck Loadout(s)						
	Rail Loadout(s)						
	Barge Loadout(s)						
	Other (specify)						
Attach a flow diagram showing all of the emission point numbers, and list the emission point numbers on this form where applicable. This flow diagram should be used to supplement the above information. For example, if there is one loadout at 500 tons/hour and one loadout at 1000 tons/hour, this distinction can be made on the flow diagram rather than in the table above. If this type of clarification is necessary, please make a note to see the attached flow diagram in the "maximum capacity" column above.							
** Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.  *** Complete the details on DEP7007N, and submit documents to substantiate control efficiency.							
23) Describ	23) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.						